

Message

From: Moody, Jonathan [moody.jonathan@epa.gov]
Sent: 12/6/2021 5:13:57 PM
To: Kevin Goodwin [goodwink@michigan.gov]
CC: Furio, Brooke [furio.brooke@epa.gov]; Bosak, Amanda (EGLE) [BosakA@michigan.gov]; Roush, Dawn (DEQ) [roushd@michigan.gov]; krusek2@michigan.gov; Anderson, Victoria [Anderson.Victoria@epa.gov]; Murphy, Elizabeth [Murphy.Elizabeth@epa.gov]; Dooling, Valerie [Dooling.Valerie@epa.gov]; Szabo, Jeff [Szabo.Jeff@epa.gov]; Hall, John [Hall.John@epa.gov]
Subject: RE: EPA Water Quality Data Collection and Discussion
Attachments: EPA Sensor Sites_Summary.xlsx; maiden voyage.jpg

Kevin and EGLE staff,

I know it has been about a year since we spoke about the EPA continuous monitoring project. Due to pandemic and supply chain issues we had postponed the field portion of this project until Spring 2022. The equipment is ready to be deployed and I attached a photo of the preliminary setup. We are still interested in working with EGLE on finding some waterways which would be good candidates and we would like to re-evaluate the list of proposed sites. I attached the previous list and added a site on the Detroit river.

Can EGLE meet during the week of January 10th to re-start this discussion? If so, can some from EGLE let me know a couple days and times during the week when EGLE would be available to meet? Please feel free to forward this email to anyone else at EGLE who would be interested in this project.

Jonathan Moody, PE
312-886-7570

From: Goodwin, Kevin (EGLE) <GOODWINK@michigan.gov>
Sent: Friday, March 13, 2020 1:10 PM
To: Moody, Jonathan <moody.jonathan@epa.gov>
Cc: Furio, Brooke <furio.brooke@epa.gov>; Bosak, Amanda (EGLE) <BosakA@michigan.gov>; Roush, Dawn (DEQ) <roushd@michigan.gov>; krusek2@michigan.gov
Subject: RE: EPA Water Quality Data Collection and Discussion

Hi Jonathan –

Thanks for your patience as we pull additional info together, it appears things are going to be a bit more hectic/unsettled before they're not!

Attached is our 'short list' of thoughts for possible sensor projects in Michigan. Take a look, let me know where additional info/thoughts would be helpful at this point. Thanks for staying in touch!

-Kevin
Kevin Goodwin
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From: Moody, Jonathan <moody.jonathan@epa.gov>
Sent: Tuesday, March 03, 2020 9:24 AM
To: Goodwin, Kevin (EGLE) <GOODWINK@michigan.gov>
Cc: Furio, Brooke <furio.brooke@epa.gov>
Subject: FW: EPA Water Quality Data Collection and Discussion

Kevin, I'm following up on our phone call from last week to see how the list of possible monitoring sites for the project this summer. How are things progressing? Is there any additional information that might be helpful from EPA?

Jonathan Moody, PE
Tel: (312) 886-7570

From: Moody, Jonathan
Sent: Friday, February 7, 2020 7:48 AM
To: Kruse, Katherine (EGLE) <KruseK2@michigan.gov>; Strong, Regina (EGLE) <StrongR1@michigan.gov>; Kevin Goodwin <goodwink@michigan.gov>; Roush, Dawn (DEQ) <roushd@michigan.gov>; BosakA@michigan.gov
Cc: Hall, John <Hall.John@epa.gov>; Szabo, Jeff <Szabo.Jeff@epa.gov>; Matson, John <matson.john@epa.gov>; Walts, Alan <walts.alan@epa.gov>; Vanlerberghe, Daren <Vanlerberghe.Daren@epa.gov>; Triantafillou, Kathy <triantafillou.kathy@epa.gov>; Furio, Brooke <furio.brooke@epa.gov>
Subject: EPA Water Quality Data Collection and Discussion

All, I'm following up on our phone calls from last year. I was looking through my notes and realized I had said I would provide a summary of the data collection equipment we were thinking about using. I apologize that I didn't send this on earlier. Below is a chart that summarizes the equipment and possible applications. We would like to finalize a list of potential sites before the end of this month. Would EGLE like to have another conference call to go through this material?

Probe	Equivalent Parameter	What does the measurement represent
S::CAN Spectrolyser (absorbance)	Turbidity - eq	turbidity
	NO3-N - eq	nutrients
	TOC - eq	certain industrial and municipal wastewaters
	DOC - eq	certain industrial and municipal wastewaters
	UV254t	Common surrogate for Organic Matter for drinking water purposes and disinfectant controls
	UV436t	Common surrogate for Organic Matter for drinking water purposes and disinfectant controls
Turner Submersible Fluorometers (fluorescence)	CDOM/FDOM	Organic matter
	Chlorophyll	algal growth
	Crude Oil	industrial wastewaters
	Optical Brighteners	sewage, identification of illicit discharges
	Freshwater Cyanobacteria	cyanobacteria
	Tryptophan	potential surrogate for sewage

	Turbidity	Turbidity
YSI/In-Situ Water Quality Probes	Dissolved Oxygen RDO	DO
	Sp. Conductivity	presence of ions
	pH	pH
	Temperature	Industrial or dry weather discharges
	Chloride ISE	certain industrial wastewaters and stormwater
	Nitrate ISE	nutrients
	Turbidity	Turbidity

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